

Pilot Scrubber Test Results



Summary of Third-Party Pilot Performance Testing

				Average Steady State Removal Results		
Date	Company/Site	Fuel Source	Testing Group	* SO ₂	* NO _x	Hg
June 2003	DTE Energy's River Rouge Plant	Blend: PRB and Eastern bituminous	Energy and Environmental Research Center (University N.D)	99.8% 459 to 0.9 ppm 1.134 to 0.002 lb/MMBtu	98.2% 150 to 2.7 ppm 0.266 to 0.005 lb/MMBtu	** 97% (oxidized) 1.02 to 0.03 μg/m ³

* EERC Performed the Hg testing, while the NO_x and SO₂ data was collected using EnviroScrub's CEMS

** Run No 4 from EERC Test Report Contract No. NS-363299

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Summary of Third-Party Pilot Performance Testing

				Average Steady State Removal Results		
Date	Company/Site	Fuel Source	Testing Group	* SO ₂	* NO _x	*** Hg
Dec-Jan 2003-2004	Minnesota Power's Boswell Energy Center	Western PRB	Energy and Environmental Research Center (University N.D)	99% 480 to 4.6 ppm 1.054 to 0.012 lb/MMBtu	95.8% 228 to 10 ppm 0.360 to 0.018 lb/MMBtu	94.3% Total 99.2% Elemental 84.4% Oxidized

* EERC Performed the Hg testing, while the NO_x and SO₂ data was collected using EnviroScrub's CEMS

*** Preliminary Results

Full EERC Report to be released and will be made available at www.envioscrub.com

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Minnesota Power/EERC Test Data Mercury Speciation			
	Oxidized	Elemental	Total
Pilot Inlet $\mu\text{g}/\text{m}^3$	1.56	3.16	4.72
Pilot Outlet $\mu\text{g}/\text{m}^3$	0.24	0.03	0.27

*** Preliminary Results

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